

## Authors' Index

ANDERSON, H. 426  
ARAN, J.-M. 488

BABIGHIAN, G. 21  
BAJAJ, J. S. 28  
BARR, B. 426  
BEAGLEY, H. A. 470  
BEASLEY, D. S. 262  
BECK, O. 150  
BEL, J. 70  
BIRK-NIELSEN, H. 180  
BRASIER, Vivienne J. 40  
BRIGDEN, D. N. 272  
BRIX, R. 481  
BURIAN, K. 481

CANUT, Y. 70  
CAUSSE, J. 70  
CODY, D. T. R. 1

DAVIS, H. 55, 116, 464  
DÉVALD, J. 396

EAGLES, E. L. 438  
EDELMAN, Florence 90  
EGGERMONT, J. J. 191, 193, 221  
ELBERLING, C. 150  
EWERTSEN, H. W. 180, 453

FEINMESSER, M. 167  
FISCH, L. 411

GLORIG, A. 540  
GROEN, J. J. 188

HAWKINS, E., jr. 383  
HINCHCLIFFE, R. 65, 446  
HIRSH, S. K. 116  
HOUTGAST, T. 191

IGARASHI, Makoto 337  
KACKER, S. K. 28  
KÜPPER, K. 350  
KUPPERMAN, R. 318  
KUSAKARI, J. 364

LAGLER, F. 350  
LENHARDT, M. L. 174

MACRAE, J. H. 272  
MERLUZZI, F. 65  
MICHAUX, P. 70  
MIYOSHI, T. 364  
MOWRY, H. J. 242  
MÜLLER, G. 250

NAUNTON, R. F. 242  
NEGREVERGNE, M. 488  
NOBLE, W. G. 291

ODENTHAL, D. W. 191  
OSTERHAMMEL, P. A. 116

PÁLFALVI, L. 396  
PLATH, P. 34  
PLOMP, R. 190  
POLS, L. C. W. 192  
PORTMAN, M. 462

QUANTE, M. 350  
RAINVILLE, M. J. 316  
RODENBURG, M. 319

SALA, O. 21  
SALOMON, G. 150  
SHARRARD, G. A. W. 103  
SHRINER, T. H. 262  
SHULMAN, A. 90  
SJÖGREN, H. 47  
SOHMER, H. 167  
SOUS, H. 350  
SPOOR, A. 193, 221  
SPRENG, M. 137  
STUPP, H. 350  
SURIÁN, L. 394, 396, 460  
SUZUKI, T. 129

TAPON, J. 70  
THALMANN, I. 364  
THALMANN, R. 364  
TOLK, J. 319  
TOWNSEND, G. L. 1

VASILU, D. I. 101  
VERWEIJ, C. 319

WALDON, E. F. 14  
WEDENBERG, E. 426  
WIER, C. C. 116

YOSHIE, N. 504  
ZERLIN, S. 242

## Authors' Index

ANDERSON, H. 426  
ARAN, J.-M. 488  
  
BABIGHIAN, G. 21  
BAJAJ, J. S. 28  
BARR, B. 426  
BEAGLEY, H. A. 470  
BEASLEY, D. S. 262  
BECK, O. 150  
BEL, J. 70  
BIRK-NIELSEN, H. 180  
BRASIER, Vivienne J. 40  
BRIGDEN, D. N. 272  
BRIX, R. 481  
BURIAN, K. 481  
  
CANUT, Y. 70  
CAUSSE, J. 70  
CODY, D. T. R. 1  
  
DAVIS, H. 55, 116, 464  
DÉVALD, J. 396  
  
EAGLES, E. L. 438  
EDELMAN, Florence 90  
EGGERMONT, J. J. 191, 193,  
    221  
ELBERLING, C. 150  
EWERTSEN, H. W. 180, 453  
  
FEINMESSER, M. 167  
FISCH, L. 411  
  
GLORIG, A. 540  
GROEN, J. J. 188  
  
HAWKINS, E., jr. 383  
HINCHCLIFFE, R. 65, 446  
HIRSH, S. K. 116  
HOUTGAST, T. 191  
  
IGARASHI, Makoto 337  
KACKER, S. K. 28  
KÜPPER, K. 350  
KUPPERMAN, R. 318  
KUSAKARI, J. 364  
  
LAGLER, F. 350  
LENHARDT, M. L. 174  
  
MACRAE, J. H. 272  
MERLUZZI, F. 65  
MICHAUX, P. 70  
MIYOSHI, T. 364  
MOWRY, H. J. 242  
MÜLLER, G. 250  
  
NAUNTON, R. F. 242  
NEGREVERGNE, M. 488  
NOBLE, W. G. 291  
  
ODENTHAL, D. W. 191  
OSTERHAMMEL, P. A. 116  
  
PÁLFALVI, L. 396  
PLATH, P. 34  
PLOMP, R. 190  
POLS, L. C. W. 192  
PORTMAN, M. 462  
  
QUANTE, M. 350  
RAINVILLE, M. J. 316  
RODENBURG, M. 319  
  
SALA, O. 21  
SALOMON, G. 150  
SHARRARD, G. A. W. 103  
SHRINER, T. H. 262  
SHULMAN, A. 90  
SJÖGREN, H. 47  
SOHMER, H. 167  
SOUS, H. 350  
SPOOR, A. 193, 221  
SPRENG, M. 137  
STUPP, H. 350  
SURIÁN, L. 394, 396, 460  
SUZUKI, T. 129  
  
TAPON, J. 70  
THALMANN, I. 364  
THALMANN, R. 364  
TOLK, J. 319  
TOWNSEND, G. L. 1  
  
VASILU, D. I. 101  
VERWEIJ, C. 319  
  
WALDON, E. F. 14  
WEDENBERG, E. 426  
WIER, C. C. 116  
  
YOSHIE, N. 504  
ZERLIN, S. 242

## Subject Index

- Acoustic nerve tumor 90
  - neurinoma 488
  - trauma 291
- Action potential, compound 137, 193
  - -, cochlear 167
  - -, whole-nerve 488, 504
- Acuity, pure-tone 291
- Acute noise-induced hearing loss 34
- Adaptation, auditory 34
  - , cochlear 193
- African 446
- Air-conduction audiometry 70
- Alport's syndrome 28
- Aminoglycoside antibiotics 350, 364
- Amplitude histogram 137
  - latency curves 488
  - , Na-Pa 242
  - , N<sub>1</sub>-P<sub>2</sub> 1, 174
  - of N<sub>120</sub> and P<sub>200</sub> 250
- Anaesthesia in ERA 150
- Antibiotics 325, 337, 350
  - , aminoglycoside 350, 364
  - , ototoxic aminoglycosidic 383
- AP measurements in Menière's disease 504
  - threshold audiometry 504
- Artefact recognition in ERA 137
- Articulation index (AI) 272
- Assessment of the degree of hearing disability 65
- Attention 1
- Audiometer, speech 47
- Audiometric survey 438
- Audiometry, air-conduction 70
  - , AP threshold 504
  - , automatic 21
  - , Békésy 21
  - , bone-conduction 70
  - , cochlear 167
  - , Electric, Response (ERA) 1, 55, 103, 116, 129, 137, 150, 167, 174, 242, 250, 464, 470, 481, 488, 504
  - , equipment for speech 47
  - , identification 14
  - , objective bone-conduction 504
  - , pure-tone 291
  - , speech 47, 70, 272
- Audio-reflexometry 14
- Auditory adaptation 34
  - evoked potentials 174
  - -, slow 250
  - --, maturation of 1
- Auditory evoked responses 137, 464
  - - vertex potentials 116, 150
- Auditory genetics 28, 411, 426
  - handicap, compensation for 65
  - -, threshold of subjective 65
  - masking 221, 272
  - perception 262
  - threshold impairment 272
- Auro-palpebral reflex 14
- Automatic audiometry 21
- Averaged vertex response 1
- Binaural hearing 40
- Body equilibrium 337
- Bone-conduction audiometry 70
- Brain potentials 103, 167
- Caloric test 28
- Carhart notch 70
- Central auditory disorders, detection of 40
- Central hearing loss 488
- Central lesions 262
- Cerebello-labyrinthine dysfunction 90
- Cerebro-vascular disease 90
- Children, detection of hearing impairment in 12, 55, 129, 150, 167, 411, 426, 438
  - , hearing sensitivity in 438
  - , sedation of young 55
- Chloramphenicol 350
- Chronic noise-induced hearing loss 34

Click, filtered 116  
 - stimulation, response to 488  
 -, third-octave 242

Cochlear action potentials 167  
 - adaptation 193  
 - audiometry 167  
 - electrophysiology 193, 221  
 - masking 221  
 - sensory cells 383

Community diagnosis of professional noise trauma 453

Compensation for auditory handicap 65

Compound action potential 137, 193, 221

Conductive hearing loss 426

Congenital hearing loss 411

Conservation of hearing 438

Construction of questionnaire 180

Contingent Negative Variation (CNV) 103, 174, 481

Control of revalidation 180

Conventional speech audiometry 291

Correlation score in ERA 150

Cortical evoked potentials 103, 470  
 - response, early evoked 242

Critical bandwidth 242

Cyanide 364

Deafness, epidemiology of 394, 396, 411, 426, 438, 446, 453, 459, 460

Degeneratio nervi acustici professionalis 453

Degrees of hearing loss 396

Delayed Speech Feedback (DSFB) test 470

Delta wave activity, index of 116

Detectability of evoked response 129

Detection of central auditory disorders 40  
 - of hearing impairment in Children 12, 55, 129, 150, 167, 411, 426, 438  
 - of non-organic hearing loss 470

Diazepam in ERA 137

Difference limen for intensity 34

Differential vulnerability 396

Discriminative Positive Variation (DPV) 481

Diuretics 325

Drugs, hearing loss due to 325

Early evoked cortical response 242

EEG stages of sleep 116

Eighth nerve response 488

Electric Response Audiometry (ERA) 55, 103, 116, 129, 137, 150, 167, 174, 242, 250, 464, 470, 481, 488, 504

Electrococleogram 464, 504

Electro-cochleographic examination 462  
 - response, types of 488

Electrococleography 167, 470, 488, 504

Electrophysiological acoustics 462, 464  
 470, 481, 488, 504  
 - tests 470

Electrophysiology, cochlear 193

Embryology of the ear 101

Epidemiology of deafness 394, 396, 411, 426, 438, 446, 453, 459, 460  
 - of hearing loss 396, 426

Equilibrium, body 337

Equipment for speech audiometry 47

ERA, anaesthesia in 150  
 - artefact recognition in 137  
 - correlation score in 150  
 - Diazepam in 137  
 - errors in 150  
 - role of sedation in 150  
 - sedatives of 129  
 - selective average in 150  
 - template in 150

Errors in ERA 150

Erythrocin 350

Ethacrynic acid 364

Everyday hearing 291

Evoked-response patterns 116

Exposure, white noise 34

False-positive rate 116

Fatigue 34

Filtered clicks 116

Forward masking 221

Functional hearing impairment 1

Genetic counselling 411

Genetics, auditory 28, 411, 426

Geographic 446

Guinea pig 193, 221, 383

Handicap index, social hearing 180  
- subjective feeling of 180  
Hearing, conservation of 438  
- disability, assessment of the degree of 65  
- disorders, incidence of 453  
- impairment, functional 1  
- loss, acute noise-induced 34  
- - and age 396  
- - central 488  
- - chronic noise-induced 34  
- - conductive 426  
- - congenital 411  
- - degrees of 396  
- - detection of non-organic 470  
- - due to drugs 325  
- - epidemiology of 396, 426  
- - hereditary 101  
- - high-tone 426  
- - noise-induced 291, 453  
- - prevalence of 396, 411  
- - prevention of 411  
- - progressive 426  
- - pure organic 470  
- - sensorineural 28, 325, 426, 446  
- - sudden 250  
- - temporary post-stapedectomy 21  
- level, three-frequency average 272  
- screening test 426  
- sensitivity in children 438  
- survey 438, 446  
Hereditary hearing loss 101  
High-tone hearing loss 426  
Histogram, amplitude 137  
Histopathology of internal ear 383  
Hit rate 116  
Hungary 396

Identification audiometry 14  
Incidence of hearing disorders 453  
Index of delta wave activity 116  
Intensity, difference limen for 34  
Internal ear, histopathology of 383  
Interstimulus interval 262

Jamaica 446

Language evoked potentials 103  
Latencies for  $N_1$  and  $P_2$ , peak 1  
Latency curves, amplitude 488  
- variability 137  
Lip-reading ability 180  
Localization response to stimuli 14  
Low fence 65  
Loudness recruitment 34, 488

Masking, auditory 221, 272  
- cochlear 221  
- forward 221  
Maturation of auditory-evoked potentials 1  
Maximum speech discrimination 272  
Menière's disease 90  
- - AP measurements in 504  
Microchemical techniques 364  
Middle ear mastoid 90  
Modifications of speech audiometry 40, 262  
Moro reflex 14

Na-Pa amplitude 242  
Nerve-fiber populations 193  
Noise-induced hearing loss 291, 453  
Noise trauma, community diagnosis of professional 453  
 $N_1$ - $P_2$  amplitude 1, 174  
Nystagmus, postrotatory 337

Objective bone-conduction audiometry 504  
- speech audiometry 481  
Otitis, viral acute haemorrhagic 21  
Otosclerosis surgery 70  
Ototoxic aminoglycosidic antibiotics 383  
- mechanisms 383  
Ototoxicity 325, 350, 364, 383  
- vestibular 337  
Outer sulcus, tissues of the 383

Patterns of subtractive loss 504  
Peak latencies for  $N_1$  and  $P_2$  1  
Pittsburgh study 438  
Polymyxin 350  
Population studies 396  
Postrotatory nystagmus 337

Presbyacusis 65  
 Prevalence of hearing loss 396, 411  
 Prevention of hearing loss 411  
 Progressive hearing loss 426  
 Pure organic hearing loss 470  
 Pure-tone acuity 291  
 - audiometry 291  
 Questionnaire, construction of 180  
 Random stimulus presentation 250  
 Recruitment 464  
 -, loudness 34, 488  
 Reflex, auro-palpebral 14  
 -, Moro 14  
 - threshold, stapedial 470  
 Response bias of patients 180  
 - to click stimulation 488  
 Revalidation, control of 180  
 Salicylates 325, 364  
 Screening test, hearing 426  
 Sedation in ERA, role of 150  
 - of young children 55  
 Sedatives for ERA 129  
 Selective average in ERA 150  
 Sensorineural hearing loss 28, 325, 426, 446  
 Sensory cells, cochlear 383  
 Sentential approximations 262  
 - -, temporally distorted 262  
 Sex ratio 396  
 Signal detection theory 116  
 Simulation, conscious 470  
 - subconscious 470  
 Sleep, EEG stages of 116  
 Slow auditory evoked potential 250  
 Social hearing handicap index 180  
 Sonomotor response 464  
 Speech audiometer 47  
 - audiometry 47, 70, 272  
 - -, conventional 291  
 - -, modifications of 40, 262  
 - -, objective 481  
 - discrimination, maximum 272  
 Speech-hearing ability 291  
 Speech-level instrument 47  
 Speech reception, everyday 272  
 - Weber test 70  
 Spiral ligament and prominence 383  
 Squirrel monkey 337  
 Stapedial reflex threshold 470  
 Stimulus duration, effects of 250  
 - presentation, random 250  
 Stria vascularis 383  
 Subjective feeling of handicap 180  
 Sudden hearing loss 250  
 Survey, audiometric 438  
 -, hearing 438, 446  
 Template in ERA 150  
 Temporally distorted sentential approximations 262  
 Temporary post-stapedectomy hearing loss 21  
 Tetracycline 350  
 Tissues of the outer sulcus 383  
 Three-frequency average hearing level 272  
 Threshold audiometry AP 504  
 - impairment, auditory 272  
 - of subjective auditory handicap 65  
 -, stapedial reflex 470  
 Trauma, acoustic 291  
 Verbal association, effects of 174  
 Vestibular (Reissner's) membrane 383  
 Vestibulotoxicity 337  
 Vertex off- and on-response 1  
 - potentials 464  
 - -, auditory evoked 116, 150  
 Viral acute haemorrhagic otitis 21  
 Vulnerability, differential 396  
 War veterans 272  
 Weber test, speech 70  
 White noise exposure 34  
 Whole-nerve action potential 488, 504  
 Word duration 262

Vol. 12, 1973

# Audiology

Audiology · Journal of Auditory Communication  
Audiologie · Journal de la Communication Auditive  
Official Organ of the International Society of Audiology  
Organe officiel de la Société Internationale d'Audiologie

Published by the Executive Committee on behalf of the International Society of Audiology  
Publié par le Comité Exécutif au nom de la Société Internationale d'Audiologie

P. BERRUECOS, Mexico  
E. BOCCA (President), Italy  
G. FLOTTORF, Norway  
J. GARCIA GOMEZ, Colombia  
A. GLORIG, USA  
R. HINCHCLIFFE (Secretary-General),  
United Kingdom  
I. HIRSH, USA  
J. D. HOOD, United Kingdom  
Y. P. KAPUR, India

W. D. KEIDEL, WESTERN Germany  
I. KIRIKAE, Japan  
E. KÖNIG (Assistant Secretary-General),  
Switzerland  
G. LIDÉN, Sweden  
P. PIALOUD, France  
B. DE QUIROS, Republic of Argentine  
P. SCHMIDT, The Netherlands  
L. SURJÁN, Hungary  
P. TRENQUE (Vice-President), France  
W. D. WARD, USA

Editorial Board · Comité de Rédaction  
*Editor-in-Chief · Rédacteur en chef:* E. KÖNIG, Switzerland  
*Members · Membres:* A. GLORIG, USA  
R. HINCHCLIFFE, United Kingdom  
P. TRENQUE, France

*Reviewers · Critiques*  
R. CHOCHOLLE, France  
H. DAVIS, USA  
H. ENGSTRÖM, Sweden  
J. D. HOOD, United Kingdom

J. JERGER, USA  
W. D. KEIDEL, Western Germany  
I. KIRIKAE, Japan  
W. D. WARD, USA



S. Karger · Basel · München · Paris · London · New York · Sydney

S. Karger · Basel · München · Paris · London · New York · Sydney  
Arnold-Böcklin-Strasse 25, CH-4011 Basel (Switzerland)

---

Permission is hereby granted by this Journal for anyone to reproduce the whole or a part of any paper in this volume if he obtains permission from its author(s) and credit is given the author(s) and this Journal; permission from the Editor-in-Chief is also required.

© Copyright 1973 by International Society of Audiology, Geneva  
Printed in Switzerland by Buchdruckerei Werner & Bischoff, Basel

## Contents

CODY, D. T. R. and TOWNSEND, G. L.: Some Physiologic Aspects of the Averaged Vertex Response in Humans .....	1
WALDON, E. F.: Audio-Reflexometry in Testing Hearing of Very Young Children .....	14
SALA, O. and BARBIGHIAN, G.: Automatic versus Standard Audiometry .....	21
KACKER, S. K. and BAJAJ, J. S.: Audiometric Profile in an Indian Family with Alport's Syndrome .....	28
PLATH, P.: The Difference Limen for Intensity as an Indicator for Adaptation and Fatigue in Auditory Function .....	34
BRASIER, VIVIENNE J.: A Binaural Integration Test .....	40
SJÖGREN, H.: Objective Measurements of Speech Level .....	47
MERLUZZI, F. and HINCHCLIFFE, R.: Threshold of Subjective Auditory Handicap ..	65
CAUSSE, J.; BEL, J.; MICHAUX, P.; CANUT, Y., and TAPON, J.: Measurement of the Precise Cochlear Reserve in Otosclerosis Value of Speech Weber Test .....	70
SHULMAN, A. and EDLEMAN, FLORENCE: Site of Lesion Testing. An Aid in the Early Diagnosis of Cerebro-Vascular Disease .....	90
VASILIU, D. I.: Embryogenèse morphofonctionnelle de l'audition et de la surdité héréditaire .....	101
SHARRARD, G. A. W.: Further Conclusions Regarding the Influence of Word Meaning on the Cortical Averaged Evoked Response in Audiology....	103
OSTERHAMMEL, P. A.; DAVIS, H.; WIER, C. C., and HIRSH, S. K.: Adult Auditory Evoked Vertex Potentials in Sleep .....	116
SUZUKI, T.: Problems in Electric Response Audiometry (ERA) during Sedation ..	129
SPRENG, M.: Artefact Recognition and Diazepam in Electric Response Audiometry .....	137
SALOMON, G.; BECK, O., and EBERLING, C.: The Role of Sedation in ERA from the Vertex .....	150
SOHMER, H. and FEINMESSER, M.: Routine Use of Electrocochleography (Cochlear Audiometry) on Human Subjects .....	167
LENHARDT, M. L.: Effects of Verbal Association on Averaged Auditory Evoked Response .....	174
EWERTSEN, H. W. and BIRK-NIELSEN, H.: Social Hearing Handicap Index. Social Handicap in Relation to Hearing Impairment .....	180
EGGERMONT, J. J. and SPOOR, A.: Cochlear Adaptation in Guinea Pigs. A Quantitative Description .....	193
EGGERMONT, J. J. and SPOOR, A.: Masking of Action Potentials in the Guinea Pig Cochlea, its Relation to Adaptation .....	221
ZERLIN, S.; NAUNTON, R. F., and MOWRY, H. J.: The Early Evoked Cortical Response to Third-Octave Clicks and Tones .....	242
MÜLLER, G.: Stimulus Duration and Input-Output Function of the Different Components of the Slow Auditory Evoked Potential .....	250

BEASLEY, D. S. and SHRINER, T. H.: Auditory Analysis of Temporally Distorted Sentential Approximations .....	262
MACRAE, J. H. and BRIGDEN, D. N.: Auditory Threshold Impairment and Everyday Speech Reception .....	272

*Round Table Conferences of the  
11th International Congress of Audiology, Budapest, October 4-6, 1972*

BALLANTYNE, JOHN: Ototoxicity. A Clinical Review .....	325
IGARASHI, MAKOTO: Vestibular Ototoxicity in Primates .....	337
STUPP, H.; KÜPPER, K.; LAGLER, F.; SOUS, H., and QUANTE, M.: Inner Ear Concentrations and Ototoxicity of Different Antibiotics in Local and Systemic Application .....	350
THALMANN, R.; MIYOSHI, T.; KUSAKARI, J., and THALMANN, I.: Quantitative Approaches to the Ototoxicity Problem .....	364
HAWKINS, E., jr.: Ototoxic Mechanisms. A Working Hypothesis .....	383
SURJÁN, L.: Introductory Remarks to the Round Table on Epidemiology of Deafness .....	394
SURJÁN, L.; DÉVALD, J., and PÁLFALVI, L.: Epidemiology of Hearing Loss .....	396
FISCH, L.: Epidemiology of Congenital Hearing Loss .....	411
BARR, B.; ANDERSON, H., and WEDENBERG, E.: Epidemiology of Hearing Loss in Childhood .....	426
EAGLES, E. L.: A Longitudinal Study of Ear Disease and Hearing Sensitivity in Children .....	438
HINCHCLIFFE, R.: Epidemiology of Sensorineural Hearing Loss .....	446
EWERTSEN, H. W.: Epidemiology of Professional Noise-Induced Hearing Loss .....	453
Discussion to the Round Table on Epidemiology of Deafness .....	459
SURJÁN, L.: Summing-up of the Round Table on Epidemiology of Deafness .....	460
PORTMANN, M.: Introduction to the Round Table on Electrophysiology: its Application in Clinical Audiology .....	462
DAVIS, H.: Classes of Auditory Evoked Responses .....	464
BEAGLEY, H. A.: The Role of Electro-Physiological Tests in the Diagnosis of Non-Organic Hearing Loss .....	470
BRIX, R. and BURIAN, K.: The Objectivation of Verbal Discrimination Ability. Further Investigations .....	481
ARAN, J.-M. et NEGREVERGNE, M.: Aspects cliniques de quelques formes pathologiques particulières des réponses du nerf auditif chez l'homme .....	488
YOSHIE, N.: Diagnostic Significance of the Electrococleogram in Clinical Audiometry .....	504

Review

NOBLE, W. G.: Pure-Tone Acuity, Speech Hearing Ability and Deafness in Acoustic Trauma. A Review of the Literature .....	291
--	-----

## Obituaries · Nécrologies

GROEN, J. J.: Prof. Dr. H. C. Huizing 1903-1972.....	188
RAINVILLE, M. J.: J. E. Fournier †.....	316
GLORIG, A.: Georg von Békésy 1899-1972.....	540

## Transactions

DAVIS, H.: Sedation of Young Children for Electric Response Audiometry (ERA). Summary of a Symposium .....	55
Netherlands' Society of Audiology	
PLOMP, R.: Timbre Differences between Complex Tones of Equal Loudness and Pitch.....	190
HOUTGAST, T.: Can a Strong Tone Suppress a Weaker One? .....	191
EGGERMONT, J. J. and ODENTHAL, D. W.: Electrophysiological Investigation of the Human Cochlea: Adaptation, Masking and Recruitment.....	191
POLS, L. C. W.: Do we Need Formants to Describe the Differences between Vowels? .....	192
KUPPERMAN, R.: Central and Peripheral Forms of Cochlear Adaptation .....	318
RODENBURG, M. and VERWEIJ, C.: Measurement of Auditory Evoked Potentials Elicited by Steady-State Stimuli .....	319
TOLK, J.: A Special Type of Hearing Disorder.....	319
Varia .....	321, 542
Audi News No. 9 .....	58
Audi News No. 10 .....	323
Erratum .....	320
Authors' Index .....	546
Subject Index .....	547